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or visual content. The computing device **1000** may include a sensor **1026** that can take the form of circuitry for detecting any number of stimuli. For example, the sensor **1026** can include a Hall Effect sensor responsive to external magnetic field, an audio sensor, a light sensor such as a photometer, and so on. A data bus **1016** can facilitate data transfer between at least the file system **1004**, the cache **1006**, the processor **1002**, and the CODEC **1013**.

The various aspects, embodiments, implementations or features of the described embodiments can be used separately or in any combination. Various aspects of the described embodiments can be implemented by software, hardware or a combination of hardware and software. The described embodiments can also be embodied as computer readable code on a computer readable medium for controlling manufacturing operations or as computer readable code on a computer readable medium for controlling a manufacturing line. The computer readable medium is any data storage device that can store data that can thereafter be read by a computer system. Examples of the computer readable medium include read-only memory, random-access memory, CD-ROMs, HDDs, DVDs, magnetic tape, and optical data storage devices. The computer readable medium can also be distributed over network-coupled computer systems so that the computer readable code is stored and executed in a distributed fashion.

The foregoing description, for purposes of explanation, used specific nomenclature to provide a thorough understanding of the described embodiments. However, it will be apparent to one skilled in the art that the specific details are not required in order to practice the described embodiments. Thus, the foregoing descriptions of the specific embodiments described herein are presented for purposes of illustration and description. They are not targeted to be exhaustive or to limit the embodiments to the precise forms disclosed. It will be apparent to one of ordinary skill in the art that many modifications and variations are possible in view of the above teachings.

What is claimed is:

1. A folio for use with a portable electronic device having a display assembly overlaid by a transparent protective layer, the folio comprising:

a base segment having a size and shape in accordance with the portable electronic device, the base segment comprising an input device capable of communication with the portable electronic device; and

an attachment segment coupled to the base segment, the attachment segment comprising a mechanism capable of securing to a rear surface of the portable electronic device,

wherein when the portable electronic device is secured to the attachment segment:

a closed configuration comprises the base segment overlaying the transparent protective layer, and the attachment segment overlaying the rear surface of the portable electronic device; and

a support configuration comprises both the portable electronic device and the attachment segment above the base segment, and the attachment segment balances and supports the portable electronic device.

2. The folio of claim 1, further comprising:

an intermediate segment;

a first hinge assembly coupled with the base segment and the intermediate segment; and

a second hinge assembly coupled with the attachment segment and the intermediate segment, wherein the second hinge assembly is capable of supporting both

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the attachment segment and the portable electronic device at any angle relative to the intermediate segment.

3. The folio of claim 2, wherein the support configuration comprises the first hinge assembly supporting the attachment segment at an acute angle with respect to the base segment.

4. The folio of claim 3, wherein the first hinge assembly comprises a hollow body capable of capturing and retaining a stylus or a pen.

5. The folio of claim 2, wherein (i) the intermediate segment and the attachment segment combined have a size in accordance with the portable electronic device, (ii) the mechanism of the attachment segment is capable of securing the rear surface of the portable electronic device to an interior surface of the attachment segment, and (iii) when the portable electronic device is secured to the interior surface of the attachment segment, a portion of the rear surface of the portable electronic device extends beyond the interior surface of the attachment segment.

6. The folio of claim 1, wherein the attachment segment further comprises an interface used to establish a direct connection with the portable electronic device.

7. The folio of claim 1, wherein the attachment segment further comprises an RF antenna capable of facilitating wireless communication with the portable electronic device.

8. A folio for use with a portable electronic device, the folio comprising:

a base carrying an input device capable of communicating with the portable electronic device;

an attachment panel capable of removably coupling with the portable electronic device; and

a cascading rotational support system having a first rotation element coupled to the base and a second rotation element coupled to the attachment panel such that the cascading rotational support system is capable of suspending the portable electronic device above the base, wherein when a first torque is applied to the attachment panel, only the first rotation element rotates until the first rotation element reaches a first hard stop, and wherein when a second torque opposite the first torque is applied to the attachment panel, only the second rotation element rotates until the second rotation element reaches a second hard stop different from the first hard stop.

9. The folio of claim 8, wherein in a closed configuration, the base is capable of covering an entire front surface of the portable electronic device and the attachment panel is capable of covering at least a portion of a rear surface of the portable electronic device.

10. The folio of claim 8, wherein the first rotation element has an angular range of motion less than 90 degrees.

11. The folio of claim 8, wherein the second rotation element an angular range of motion within 60 degrees and about 180 degrees.

12. The folio of claim 8, wherein a first torque friction of the first rotation element is less than a first torque friction of the second rotation element in a first rotational direction provided by the first torque, and wherein a second torque friction of the first rotation element is greater than a second torque friction of the second rotation element in a second rotational direction provided by the second torque.

13. A folio for a portable electronic device that includes a display assembly, the folio comprising:

a first segment carrying an input device that is capable of communication with the portable electronic device;